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(54) Title: METHOD AND MATERIALS FOR INTERPOSITIONAL ARTHROPLASTY IMPLANT

(57) Abstract: A method and apparatus for the creating or modification of the wear surfaces of orthopedic joints are disclosed. An implant in accordance with an exemplary embodiment of the present invention provides one or more biomaterials defining a first major surface adapted to be positioned as an articulating surface against a medial condyle of a femur, and a second major surface adapted to mate with a tibial plateau of a tibia. The surfaces can provide the same or different physical-mechanical properties, as by the use of a composite of two or more biomaterials having the same or different properties. Implants in accordance with the present invention include hip implants. The biomaterial may be in particulate form for use as a bulking agent, and comprise one more drugs. The invention also includes methods of predicting wear.

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